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U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
In Cooperation With
Ohio Agricultural Experiment Station
OHIO DIVISION OF FORESTRY

Technical Note 12.

August 1, 1940.

VOLUME TABLE $\frac{1}{4}$
for
YELLOW POPLAR (Lirio. tulip.)
Stark County, Ohio

Merchantable Stem to a Variable Top Diameter International Rule ($\frac{1}{4}$ " Kerf)

Diameter breast high outside bark (inches)	Volume of merchantable stem in 16.3-foot logs						Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	6 logs	
	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Bd.ft.</u>	<u>Number</u>
10	28	57					4
11	36	73	103				5
12	43	89	130				13
13	52	105	154				9
14		122	180	237			9
15		137	203	266			4
16		155	229	301			5
17		173	255	334			7
18		190	280	367	453		7
19		208	306	402	496		5
20			333	436	533		6
21			361	475	579		3
22			393	515	630		2
23			425	557	685		3
24			457	602	740		5
25			497	652	804		4
26			535	703	875		3
27			580	763	943		4
28			630	824	1023		2
29			689	904	1114	1318	9
30			752	991	1222	1445	11
31			828	1086	1340	1595	10
32			915	1194	1478	1753	8
33			1002	1315	1622	1919	3
34			1107	1452	1791	2118	4
35			1233	1618	1995	2350	1
36				1791	2208	2612	1
37						2924	1
Basis in trees-- number	4	22	45	35	30	12	148

$\frac{1}{4}$ Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "the Ohio Woodland Survey." Measurements taken at 16-foot log lengths above a 2.0-foot stump height. Scaled as 16-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Table prepared, in 1940, by the equation method. Coefficient of multiple correlation (R) = .987. Standard error of estimate, 84.9 to 118.0 percent. Block shows limits of basic data.

A. G. ADMAN
O. D. DILLER

